

CLAIMS

1 1. An optical waveguide, comprising a core, said core being  
2 doped with laser-active ions, said core being additionally doped with Cer.

2 2. An optical waveguide as defined in claim 1, wherein said  
doping with Cer constitutes 5-200% of a concentration of the laser-active  
ions in mol %.

3 3. An optical waveguide as defined in claim 1, wherein the  
waveguide is formed as a silicate fiber, said core being codoped also for  
adjusting a refraction index profile.

1 4. An optical amplifier, comprising a component which is an  
2 optical waveguide, said optical waveguide including a core, said core being  
3 doped with laser-active ions, said core being additionally doped with Cer.

1 5. An optical power amplifier, comprising a component which  
2 is an optical waveguide, including a core, said core being doped with laser-  
3 active ions, said core being additionally doped with Cer.

2 6. A laser, comprising an optical waveguide including a core,  
3 said core being doped with laser-active ions, said core being additionally  
doped with Cer.

2 7. An optical device which is used under radiation loading,  
3 comprising an optical waveguide including a core, said core being doped with  
laser-active ions, said core being additionally doped with Cer.